

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the applications:

I claim:

1. An improved electromagnetic work coil for removing dents from a conductive work piece, comprising:

a. a coil with insulated conductor windings passing through a clamped stressing region;

b. at least one clamp member located on said stressing region, said clamp member including two clamp surfaces and a part in tension outside of the stressing region to tangentially compress the windings in the stressing region, and;

c. said conductor windings forming symmetric paths to form a symmetrically aligned magnetic poles, said conductive windings being tapered to increase in height and width outside of the stressing region to improve thermal and electrical conductivity and decrease the magnetic field outside of the stressing region]

2. (New) An improved electromagnetic work coil for removing dents from a conductive work piece, comprising a coil with insulated conductor windings passing linearly through a stressing region.

3. (New) The work coil of claim 1, wherein said conductor windings in said linear stressing region are constrained by at least one clamp member, the clamp member including two clamp surfaces on opposing sides of said linear stressing region.

1 4. (New) The work coil of claim 1, wherein said conductor windings have symmetric return
2 paths to form a symmetrical balanced magnetic field around said linear stressing region.

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4 5. (New) The work coil of claim 1, wherein said conductor windings are tapered in
5 thickness with said conductor windings made thicker in one or more return path regions than
6 said conductor windings in said linear stressing region.

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8 6. (New) The work coil of claim 1, wherein said conductor windings are variably spaced
9 with said conductor windings spaced further apart in the return path region than said
10 conductor windings in said linear stressing region.

11
12 7. (New) The work coil of claim 1, wherein said conductor windings are strengthened
13 behind the stressing region with a bonded secondary winding material, with said secondary
14 winding material having greater electrical resistance than said conductor windings.